

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1-5. (Cancelled).

6. (New) A pressure detection device having at least one configuration comprising:

a non-conductive intermediate elastic sheet having a plurality of holes through it;

two sheets with inner conductive faces backing onto both sides of said intermediate sheet so that they cover at least said holes leaving the respective inner conductive faces facing each other through said holes, so that when a certain external pressure is applied on said device it is deformed such that said inner conductive faces establish a conductive contact between them through one or more of said holes, therefore forming at least one conductive circuit; and

at least one of the conductive faces is distributed by conductive areas, each of them covering one or more of said holes depending on whether more or less accuracy is desired, respectively, regarding the location of the hole through which said conductive contact has been made.

7. (New) The device according to claim 6, wherein said distribution in said conductive areas of at least said conductive face, comprises different size conductive areas covering a different number of holes.

8. (New) The device according to claim 6, wherein at least one of the areas of the conductive faces of said conductive sheets, facing holes, has a suitable relief for facilitating the establishment of said conductive contact with the conductive face of the opposite sheet.

9. (New) The device according to claim 8, wherein said contact facilitating relief is at least of the type included in the group made up of flat, pyramidal and conical type relieves.

10. (New) The device according to claim 6, wherein at least one of said holes houses in its interior at least one mobile object that is conductive at least in the surface thereof, so that said conductive contact is established, via a mobile object, between the two conductive faces of said

conductive sheets covering said hole, which is at least one, with less external pressure being applied to the device.

11. (New) The device according to claim 10, wherein said mobile object has a rounded shape.

12. (New) The device according to claim 6, wherein at least said inner conductive faces of said conductive sheets are suitable for producing, when said certain pressure is applied, an electrical or optical conductive contact, or a combination of both.

13. (New) The device according to claim 6, wherein it comprises several of said configurations stacked on top of one another.

14. (New) The device according to claim 13, wherein said configurations stacked on top of one another have common holes through which different conductive areas appear at different heights.

15. (New) The device according to claim 6, wherein at least one of said conductive sheets, or insulating sheets backed onto the free surfaces of said conductive sheets, which can directly receive pressure impacts from small objects, has a relief that facilitates said small objects approaching or moving towards holes.

16. (New) The device according to claim 6, wherein each conductive face and/or each of said conductive areas is connected to at least a contact through which it is possible to send a signal indicating conduction with the opposite face or area.

17. (New) The device according to claim 16, wherein it comprises a system with at least one electrical or optical energy generator, or a combination of both, connected to at least one of said conductive faces and/or one of said conductive areas, and alarm devices connected at least to said contacts on said conductive faces and/or said conductive areas.

18. (New) The device according to claim 16, wherein it comprises an electronic system with at least an integrated circuit, connected via corresponding wiring to the contacts on said conductive faces and/or said conductive areas to receive, following corresponding digitalisation, said conduction indication signals and process them so that they can be interpreted to at least locate the area, or areas, where said certain pressure has been produced.

19. (New) The device according to claim 18, wherein said integrated circuit is suitable also for measuring the frequency with which said signals are produced and/or their variations according to the pressure intensity.
20. (New) The device according to claim 18, wherein said integrated circuit is suitable for sending information on said interpretation at least via electrical and/or optical means, via wiring or radio, by means of a corresponding antenna, and/or via a luminous or acoustic signal or via a screen.
21. (New) The device according to claim 20, wherein said system comprises a reading device associated with said integrated circuit and suitable for receiving said information sent by said circuit.
22. (New) The device according to claim 18, wherein said electronic system is associated with a system having at least one electrical or optical energy generator, or a combination of both, connected to at least one of said conductive faces and/or one of said conductive areas, and alarm devices connected at least to the contacts on said conductive faces and/or said conductive areas.
23. (New) The device according to claim 10, wherein it comprises at least a portion a shoe insole.
24. (New) The device according to claim 18, wherein said electronic system comprises a microcomputer or a smart circuit and said device comprises at least a portion a shoe insole.